

**ABSTRACT**

A device for dispensing particulate matter may include a gravimetric sensor to measure the weight of particulate matter mixed with a fluid carrier. In an illustrative embodiment, a dry chemical inductor includes a bin for containing particulate matter, a conduit for transporting a stream of liquid carrier, and a valve for controllably releasing a particulate matter from the bin into the conduit. The device may further include a gravimetric sensor, such as an electronic scale or a load cell, for measuring the weight of particulate matter released from the bin. A controller may receive signals from the gravimetric sensor and actuate the valve to interrupt the flow of particulate matter when the desired amount of particulate matter has been released.

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